Bruhat Bangalore Mahanagara Palike

Name of Work: Development of Dobhighat in Ward no. 01

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
A	Civil Work								
1	KSRB 2-1 : Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 KSRB 2-1.1: – do – Ordinary soil (Pg no. 45 I.No 7.37)								
			Basic Rate			249.00			
			AW Rate 8%			19.92			
			Total Rate			**268.92**			
	Lowering ground	1	15.00	15.00	0.30	67.50			
	Compound Wall	1	56.00	1.00	1.00	56.00			
		1	25.00	1.00	1.00	25.00			
		1	45.00	1.00	1.00	45.00			
						193.50	**Cum**	**268.92**	**52036.02**
2	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. KSRB 2-2.1: – do – in ordinary soil. No. KBS 2.1(a) / 2.3.5 P.No.06 It No.2.1								
			Basic Rate			299.00			
			Loaidng & Unloading Charges			82.60			
			AW Rate 8%			23.92			
			Total Rate			**405.52**			
	Columns	12	1.50	1.50	1.00	27.00			
	L/W	2	9.00	1.20	1.00	21.60			
	S/W	2	9.00	1.20	1.00	21.60			
						70.20	**Cum**	**405.52**	**28467.50**
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 P.No.13 It No.4.3								
			Basic Rate			5102.00			
			AW Rate 8%			408.16			
			Total Rate			**5510.16**			
	Columns	12	1.50	1.50	0.10	2.70			
	L/W	2	9.00	1.20	0.10	2.16			
	S/W	2	9.00	1.20	0.10	2.16			
	Flooring	1	9.00	9.00	0.10	8.10			
	Compound Wall	1	56.00	1.00	0.10	5.60			
		1	25.00	1.00	0.10	2.50			
		1	45.00	1.00	0.10	4.50			
	Concrete Platform	1	30.00	6.00	0.15	27.00			
						54.72	**Cum**	**5510.16**	**301515.96**
4	KSRB 4-1.5 : Providing and laying in position plain cement concrete of Mix M20 with OPC @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 P.No.13 It No.4.5								
			Basic Rate			5328.00			
			AW Rate 8%			426.24			
			Total Rate			**5754.24**			
	Plinth Beam L/W	2	11.67	0.45	0.15	1.58			

	S/W	2	11.67	0.45	0.15	1.58			
	Compound Wall	1	56.00	0.45	0.10	2.52			
		1	25.00	0.45	0.10	1.13			
		1	45.00	0.45	0.10	2.03			
	Concrete Platform	1	30.00	6.00	0.15	27.00			
						35.82	**Cum**	**5754.24**	**206122.06**
	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.Specification No. KBS 4.1, 4.6 P.No.14 It No.4.12								
			Basic Rate			6045.00			
			AW Rate 8%			483.60			
			Total Rate			**6528.60**			
	Pedestal	12	1.20	1.20	0.60	10.37			
	Columns	12	3.40	0.60	0.23	5.63			
	Lintle	2	11.67	0.23	0.15	0.81			
		2	11.67	0.23	0.15	0.81			
	Roof Beam	2	11.67	0.23	0.45	2.42			
		2	11.67	0.23	0.45	2.42			
						22.44	**Cum**	**6528.60**	**146503.35**
	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 P.No.16 It No.4.28								
			Basic Rate			258.00			
			AW Rate 8%			20.64			
			Total Rate			**278.64**			
	Pedestal	12	4.80		0.60	34.56			
						34.56	**Cum**	**278.64**	**9629.7984**
	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 P.No.16 It No.4.32								
			Basic Rate			456.00			
			AW Rate 8%			36.48			
			Total Rate			**492.48**			
	Columns	12	2.40		3.40	97.92			
						590.40	**Cum**	**492.48**	**290760.19**
	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 P.No.17 It No.4.34								
			Basic Rate			292.00			
			AW Rate 8%			23.36			
			Total Rate			**315.36**			
	Lintles	4	11.67		0.15	7.00			
		4	11.67		0.15	7.00			
	Roof Beam	4	11.67		0.15	7.00			
		4	11.67		0.15	7.00			
						28.01	**Cum**	**315.36**	**8832.60**
	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.575lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 P.No.15 It No.4.19								
			Basic Rate			440.00			
			AW Rate 8%			35.20			

			Total Rate			475.20			
	Chajja	8	1.20	1.20		11.52	Sqm	475.20	5474.30
110	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for chajja, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 P.No.17 It No.4.37								
			Basic Rate			323.00			
			AW Rate 8%			25.84			
			Total Rate			348.84			
	Chajja	8	1.20	1.20		11.52	Sqm	323.00	3720.96
111	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 - do - TMT bars Fe 500 P.No.18 It No.4.46								
			Basic Rate			70966.00			
			AW Rate 8%			5677.28			
			Total Rate			76643.28			
	Consider 80 kg for Pedastal	1	10.37	80.00		829.44			
	Consider 100 kg for Plinth Beam	1	35.82	100.00		3582.09			
	Consider 120 Kg for Column	1	5.63	120.00		675.65			
	Consider 80 kg for Lintle	1	1.61	80.00		128.84			
	Consider 110 kg for Roof Beam	1	4.83	110.00		531.45			
	Consider 60 kg for Chajja	1	11.52	60.00		691.20			
						6438.67			
						6.44	Tn	76643.28	493480.53
112	KSRB 5.2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 KSRB 5.2-3 : - do - cement mortar 1:6 KBS 5.1.13 P.No.25 It No.5.6								
			Basic Rate			4596.00			
			AW Rate 8%			367.68			
			Total Rate			4963.68			
	Foundation								
	1st step	2	11.25	0.75	0.40	6.75			
		2	11.25	0.75	0.40	6.75			
	2nd step	2	11.67	0.60	0.40	5.60			
		2	11.67	0.60	0.40	5.60			
	Compound Wall	1	56.00	0.60	0.40	13.44			
		1	25.00	0.60	0.40	6.00			
		1	45.00	0.60	0.40	10.80			
						54.94	Cum	4963.68	272720.46
113	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 P.No.25 It No.5.9								
			Basic Rate			5483.00			
			AW Rate 8%			438.64			
			Total Rate			5921.64			
	Compound Wall	1	56.00	0.45	0.40	10.08			
		1	25.00	0.45	0.40	4.50			
		1	45.00	0.45	0.40	8.10			
						22.68	Cum	5921.64	134302.80
114	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 - do - with solid concrete blocks of size 400x200x200mm P.No.27 It No.5.26.1								
			Basic Rate			962.00			
			AW Rate 8%			76.96			
			Total Rate			1038.96			
	Wall	2	11.67		3.40	79.36			

		2	11.67		3.40	79.36			
	Compound Wall	1	56.00		1.80	100.80			
		1	25.00		1.80	45.00			
		1	45.00		1.80	81.00			
	Deduct								
	RS	1	4.00		3.00	12.00			
	Windows	8	1.20		1.20	11.52			
						409.03	**Sqm**	**1038.96**	**424967.89**
125	KSRB15-3 : Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. KSRB15-3.4 : – do – cement mortar 1:3 P.No.115 It No.15.12								
			Basic Rate			234.00			
			AW Rate 8%			18.72			
			Total Rate			**252.72**			
	Internal Wall	2	11.67		3.40	79.36			
		2	11.67		3.40	79.36			
	Compound Wall	2	56.00		1.80	201.60			
		2	25.00		1.80	90.00			
		2	45.00		1.80	162.00			
	Deduct								
	RS	-1	4		3.00	-12.00			
	Windows	-8	1.2		1.20	-11.52			
						588.79	**Sqm**	**252.72**	**148799.51**
126	KSRB15-3 : Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. KSRB15-3.7 : – do – cement mortar 1:3 P.No.116 It No.15.15								
			Basic Rate			276.00			
			AW Rate 8%			22.08			
			Total Rate			**298.08**			
	External Wall	2	12.13		3.40	82.48			
		2	12.13		3.40	82.48			
	Deduct								
	RS	-1	4		3.00	-12.00			
	Windows	-8	1.2		1.20	-11.52			
						141.45	**Sqm**	**298.08**	**42162.82**
127	KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM complete as per specifications. Shutter size 3mx2.8 m Specification No. KBS 7.10 / 7.12 P.No.33 It No.7.5								
			Basic Rate			2607.00			
			AW Rate 8%			208.56			
			Total Rate			**2815.56**			
	RS	1	4.00		3.00	**12.00**	**Sqm**	**2815.56**	**33786.72**
128	KSRB 7.6 : Providing and fixing top covers made out of 20 guage M.S. sheet over pull and push rolling shutters bent to shape including cost of red lead primer coat of painting , materials, labour, HOM complete as per specifications. Specification No. KBS 7.10.6 / 7.12 P.No.34 It No.7.6								
			Basic Rate			482.00			
			AW Rate 8%			38.56			
			Total Rate			**520.56**			
	RS	2	3.00			**6.00**	**Rmt**	**520.56**	**3123.36**
129	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications. Specification No. KBS 7.12 P.No.34 It No.7.9								
			Basic Rate			95.00			
			AW Rate 8%			7.60			
			Total Rate			**102.60**			

Windows	8	1.20		1.20	11.52			
For 1 Sqm					**172.8**	Kg	**102.60**	**17729.28**
KSRS 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame hemmed and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS -do- using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. P.No.34 It No.7.10								
		Basic Rate			4375.00			
		AW Rate 8%			350.00			
		Total Rate			**4725.00**			
Windows	8	1.20		1.20	**11.52**	**Sqm**	**4725.00**	**54432.00**
KSRS 14.7-2 : Providing and laying red oxide flooring 40 mm thick, with an under layer of 30mm thick M-15 cement concrete, using broken granite metal of 12.5mm nominal size and top layer of 10mm thick plaster with 1:3 cement mortar mixed with red oxide (using 3.5 kg of red oxide per 50 kg of cement) finished with floating coat of neat cement mixed with red oxide (mix of same proportion), including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.3 P.No.104 It No.14.9								
		Basic Rate			665.00			
		AW Rate 8%			53.20			
		Total Rate			**718.20**			
Flooring	1	11.67	11.67		**136.19**	**Sqm**	**718.20**	**97810.87**
Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. (Pg no. 45 I.No 7.37)								
		Basic Rate			3012.00			
		AW Rate 8%			240.96			
		Total Rate			**3252.96**			
Gate	1	4		2.4	**9.60**	**Sqm**	**3252.96**	**31228.42**
Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397, A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses (Pg no. 299 I.No 38.30) P.No.299 It No.38.30								
		Basic Rate			688.00			
		AW Rate 8%			55.04			
		Total Rate			**743.04**			
Roof	1	16.00		15.00	240.00			
For Washing area	1	17.00		15.00	255.00			
For Tank	1	4.40		5.50	24.20			
					519.20	**Sqm**	**743.04**	**385786.37**

Fabricating, supplying & erecting M.S. Angular Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., complete as per specification (Pg no. 43 I.No 7.30) P.No.43 It No.7.30

		Basic Rate			128.00			
		AW Rate 8%			10.24			
		Total Rate			**138.24**			
Roof	1	16.00		15.00	240.00			
For Washing area	1	17.00		15.00	255.00			
For Tank	1	4.40		5.50	24.20			
Slag Room					519.20			
					2596.00	**Kgs**	**138.24**	**358871.04**

KSR 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. P.No.119 It No.15.49

		Basic Rate			110.00			
		AW Rate 8%			8.80			
		Total Rate			**118.80**			
Qty Same as It.No.16					**588.79**	**Sqm**	**118.80**	**69948.49**

KSR 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. -do- with primer P.No.120 It No.15.53.2

		Basic Rate			102.00			
		AW Rate 8%			8.16			
		Total Rate			**110.16**			
Qty Same as It.No.17					141.45			
Compound Wall	2	56.00		1.80	201.60			
	2	25.00		1.80	90.00			
	2	45.00		1.80	162.00			
Deduct Gate	-1	4		2.4	-9.60			
					585.45	**Sqm**	**110.16**	**64492.95**

KSR 13-11.1: Over Head Synthetic Tanks - Providing, Placing on Terrace, Polyethylene storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diametre for inlet,outlet and over flwo pipes including cost of all materials, labour, transport charges, HOM of euipments and testing complete as per specifications for 2000 Litres Capcity including cost of all materials, formwork, labour charges, HOM of Machineries, loading, unloading ,with all lead and lifts etc., complete & as per specification and as directed by Engineer. BCSR Item No 13.78, Page No .94

		Basic Rate			6828.00			
		AW Rate 8%			546.24			
		Total Rate			**7374.24**			
Sump tank					2.00			
					2.00	**Nos**	**7374.24**	**14748.48**

1.Proposed Spun Pole Structure with GOS

Spun pole 9/11.0 mtr long	200120		7	No	2503	17521
			7	No	16850	117950
Single pole structure kit	279128		2	Set	2236	4472
			2	Set	26734	53468
Horizontal X Arms - Galvanised Iron (GI)	280020		9	Set	106	954
			9	Set	333	2997
SKN Composite/Polymeric Pin Insulator (24mm dia FRP Rod	283008		21	No	180	3780

	45kN Disc Insulators	283040		18	Nos	301	5418
	Pole Base concreting 1:4:8, 1000x1000x150mm			7	Each	730	5110
	Pole Base concreting 1:2:4, 1000x1000x2500 mm			7	Each	12177	85239
	Copping 1:2:4 (as per actuals)			7	Each	1930	13510
	GI wire 10 SWG	281010		35	Kg	66.78	2337
	Guy wire 7/10 SWG	281110		70	Kg	65.14	4560
	PVC Pipe 150 mm dia	778105		140	Mtrs	267	37380
	PVC bend 150 mm dia	778009		140	No	183	25620
	PVC pipe (25mm dia)	778025		140	Mtrs	25	3500
	GOS 200A S/B	304212		2	Set	700	1400
				2	Set	7799	15598
	HI Frame Set for GOS	280149		2	Set	210	420
				2	Set	3724	7448
	9KV 5kA LA Metal Oxide Ceramic type with GROUND DISCONNECTOR	303201		2	Set / 3Nos	78	156
				2	Set / 3Nos	2358	4716
	33kV Class, HG Fuse Unit with Solid Core Insulators	302122		2	Set	155	310
				2	Set	882	1764
	Earthing materials pipe type for grounding as per Drawing No. BESCOM/GM/CP/15 & 34/Dt: 24.10.07.	281674, 600095, 607054		21	Set	503	10563
				21	Set	1501	31521
	Caution/Danger board.	613050		2	No's	53	106
				2	No's	146	292
	Alkathene tube 19mm dia and in coils	821900		14	Coil	458	6412
	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire)Lumpsum	278911		7	Kg	28	196
				7	Kg	76	532
	Rabbit conductor for Jumps	284108		0.88	Kmt	2869	2524.72
				0.88	Kmt	36497	32117.36
	2. 1X63KVA Oil Type Distribution Transformer						
	Platform of size as per item No:4, with labour			1	No	26401	26401
	Distribution Transformers 63kVA - 3 Phase, 11kV/433V - Amorphous Core with Oil 134A. OPEN BUSHING TYPE BEE 5 Star Rated/Energy Efficient.	321384		1	No.	750	750
				1	No.	133930	133930
	LT Distribution box for 63 kVA TC	301055		2	No.	501	1002
				2	No.	17545	35090
	Al Lead Wire - 240 Sqmm	289036		110	Mtr	19.9	2184
	Copper lugs - 240 Sqmm	288536		16	No's	244	3904
	PG Clamps - Rabbit to 240 Sqmm	285565		4	No's	316	1264
	Spacers for DTC Wiring	284503		8	No's	41	328
	Fish plate			2	No's	54	108
	1.1 kV Class, armoured type LT UG Cable 95Sqmm	287211		0.15	Kmtr	20563	3084.45

						0.15	Kmtr	335046	50257
	Rabbit conductor for Jumps			284108		0.03	Kmt	2869	86.07
						0.03	Kmt	36497	1094.91
	LT Electronic Tri - Vector Meter 5A, Class-0.5 accuracy			357510		1	No.	2061	2061
	LT Three phase Four Wire 5-30A Thread through type composite Meter Housing Box consisting of ETV Meter with AMR comply and LTCT with built in GSM/GPRS modem (as per technical specification) upto 100kVA Distribution Transformer.			357515		1	No.	1260	1260
						1	No.	17529	17529
	Earthing materials pipe type for grounding as per Drawing No. BESCOM/GM/CP/15 & 34/Dt: 24.10.07.			281674, 600095, 607054		6	Set	503	3018
								1501	9006
	ELECTRICAL WORKS								
	Open Conduit System								
	Supplying heavy gauge pvc conduit pipe... dia confirming to IS 2509 with suitable size benda. Junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering dameged portion using havey gauge saddles at an inteseval of 70mm using NF screws **(ELE SR 2019-20 Page-2, Item-1.1.2)**								
	25mm dia 2mm thick Concealed Conduit System		1	168.00		**168.00**	**mtr**	**65.00**	**10920.00**
	Suppling... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc..., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.**(ELE SR 2019-20 Page-2, Item-1.2.2)**								
	25mm dia 2mm thick		1	168.00		**168.00**	**mtr**	**53.00**	**8904.00**
	Groove cutting in the wall suppling.. Dia 2mm/2.5mm thick heavy gauge PVC Conduit pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out conduit wherever necessary.**(ELE SR 2019-20 Page-2, Item-1.3.2)**								
	25mm dia 2mm thick		1	138		**138.00**	**mtr**	**54.00**	**7452.00**
	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc.,.**(ELE SR 2019-20 Page-2, Item-1.4.5)**								
	200x90x65mm		18			**18.00**	**Each**	**111.00**	**1998.00**
	Supplying and fixing PVC/ Metal conduit accessories. (3/5) **(ELE SR 2019-20 Page-3, Item-1.5.3)**								
	a)32mm deep junction box		6			**6.00**	**Each**	**60.00**	**360.00**
	Suppling and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complet. **(ELE SR 2019-20 Page-3, Item-1.6.1-1.6.8)**								
	12"x12"x3"(330x300x76mm		1	60		**60.00**	**mtr**	**102.00**	**6120.00**

	Supplying and wiring adopting loop system in existing PVC Conduit/ casting capping using copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box. The outher end of the wires shall be terminated with sufficient loose lenght in a wood / PVC round block. compelete for each outlet. **(ELE SR 2019-20 Page-5, Item-2.1.2)**							
	Medium point above 3Mtr up to 6 mtr from tapping point to out let via switch					12	Each	275.00	3300.00
	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos, of machines screws, bolts nuts etc., complete on the existing metal/PVC box.**ELE SR 2019-20 Page-9, Item-3.5.3)**							
	Group-A							
	Moudule		30			30.00	No	175.00	5250.00
	Supplying and fixing of 32 Amps security and energy saving DP switch with key tag suitable to operate on 230 volts, 50Hz AC supply and completely wired on existing box. **ELE SR 2019-20 Page-10, Item-3.7)**							
	Group 'A'		12			12.00	Each	680.00	8160.00
	Wiring for lighting/power circuit using one of pvc insulated 1100v grade, multistrand copper conductor singal core cable in open or concealed system of wiring.**ELE SR 2019-20 Page-5, Item-2.3.1-2.3.7)**							
	1. Group-A							
	a)1.5sqmm		1	516.0		516.0	mtr	20.50	10578.00
	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm... Etc as required. **ELE SR 2019-20 Page-3, Item-1.8.1)**							
	20mm		90			90.00	Each	22.00	1980.00
	Supplying PVC/GI Flexible conduit pipe.. Mm dia fixing on surface over inverted wooden pugs or phill plugs or rawlplugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pie terminated completely. **ELE SR 2019-20 Page-3, Item-1.9.1)**							
	20mm	1	96			96.00	Each	22.00	2112.00
	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws.. **ELE SR 2019-20 Page-10, Item-3.10.2)**							
	110mm	1	96			96.00	Each	11.00	1056.00
	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. **(P.No.99, I.No. 13.86.2 of PWD SR 2018-19)**							
	Basic Rate		235.00						
	Extra Weightage 3%		7.05						
	Total		242.05						
			1	100		100	Rmt	242.05	24205.00
	Machinaries								
	Industrial Washing Machine 100 Kg's with control panel (Model Id: NEIH100) Made out of S.S, Rotating Drum Dia/Lt.mm : 500/1250,Washing Speed in Rpm:38, Motor Power In Hp:3 Loading Type: Side-Top, Drive System: Belt, Type of Material: S.S 304, Operating System: Electrical, Heater: 18KW(Optional) (Approved Data Rate)							
			Data Rate			1398690			
	Dabhi Ghat	1				1.00			
						1.00	Each	1398690.00	1398690.00
	Hydro Extractor 100Kg's (Model Id : NEI30) Made out of M.S & S.S Rotating Drum Dia/Ht:750/350mm , Extraction speed in Rpm:1000, Motor Power in HP:5 Drive system: Belt Type of Material: S.S 304, Brake System: Leg Brake(Manual), Operating System: Electrical. (Approved Data Rate)							
			Data Rate			1475610			

	Dobbi Ghat	1				1.00			
						1.00	**Each**	**1475610.00**	**1475610.00**
	Tumble Dryer 100Kg's (Model id : NEIT100)Made out of M.S & S.S Rotating, Drum Dia/Ht:1000/1300mm , Rotation speed in Rpm:38, Motor Power in HP:2, Blower Power in Hp: 1, Drive system: Belt ,Operating System: Electrical, Heater: 18KW. (Approved Data Rate)								
			Data Rate			1361510			
	Dobbi Ghat	1				1.00			
						1.00	**Each**	**1361510.00**	**1361510.00**
	RECTANGULAR TABLES WITH HEATER for Ironing URANO '98 KDH CURTAINS 295 – MD: Rectangular ironing board, heated surface with vacuum suction, with two 0.5 hp suppressors and with a pumper suction pedal. The table is the result of the union of the URANO '98 URANO '98 MAXI floors								
			Data Rate			375750			
	Dobbi Ghat	1				1.00			
						1.00	**Each**	**375750.00**	**375750.00**
								Construction Cost	**9197658.86**
								12% GST For SR Items	**550331.86**
								BESCOM Deposits	**160000.00**
								PMC Charges	**92000.00**
								Sub Total	**9999990.72**
								Miscellaneous	**9.28**
								Grand Total	**10000000.00**

Certified that the work has been inspected and works is found to be necessary.
The estimate is within the Bruhat Bangalore Mahanagara Palike limits.
The rates adopted are based on the PWD SR,Bangalore circle for year 2018-2019,
Bangalore Urban District 01/04/2019 and Data Rates, Electrcal Sr 2019-20

Asst. Executive Engineer
Project Division Yelahanka
BBMP Bangalore

Executive Engineer
Project Division Yelahanka
BBMP Bangalore

6/12/19

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-63

Administrative Approval
Accorded For Rs. 100.00 Lakhs
Head of A/C P.1806
CER NO :20 Dt:17/08/2020

EE (Project) 17/8/20

Technical Sanction
Accorded For RS100 Lakhs only
Head of A/C P.1806
CER NO :258A Dt:06.12.2019

TA

CE (YNK)